

	Type	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	7	electric\$4 with utility\$3 with storm with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:10	
2	BRS	11	electric\$4 with utility\$3 same storm with outage\$1 and power with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:10	
3	BRS	0	electric\$4 with utility\$3 same storm with outage\$1 and power with circuit\$1 and predict\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:13	
4	BRS	7	electric\$4 with utility\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predict\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:15	
5	BRS	0	electric\$4 with utility\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predict\$3 with weather	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:15	
6	BRS	1	storm\$3 with outage\$1 and power with circuit\$1 and predict\$3 with weather	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:17	

Type	Hits	Search Text	DBs	Time Stamp	Comments
7 BRS	7	power with circuit\$1 and predict\$3 with weather with storm\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:21	
8 BRS	11	storm\$1 same (maintenance\$1 or management\$1) and electric\$4 with (power\$1 or utilit\$3) and predict\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:25	
9 BRS	76	interconnect\$4 with model\$1 with electric\$4 with (power or electric\$4) with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:25	
10 BRS	5	interconnect\$4 with model\$1 with electric\$4 with power\$1 with electric\$4 with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:26	
11 BRS	0	network\$1 with communicat\$3 same electric\$4 with power\$1 with circuit\$1 and predict43 with weather\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:26	
12 BRS	134	weather\$1 with storm\$1 and indicat\$3 with (electric\$4 or power)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:26	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	15	weather\$1 with storm\$1 and indicates\$3 with electric\$4 or power) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:26	
14	BRS	0	weather\$1 with storm\$1 and indicates\$3 with electric\$4 with (outage\$1 or fail\$4 or malfunction\$2) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:27	
15	BRS	0	storm\$1 and indicates\$3 with electric\$4 with (outage\$1 or fail\$4 or malfunction\$2) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/22 09:48	
16	BRS	30	storm\$1 and electric\$4 with (outage\$1 or fail\$4 or malfunction\$2) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:27	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
17	BRS	0	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and crew\$1 with person-day	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:31	
18	BRS	24	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and (network\$1 or internet or intranet) and (power with line\$1 or power with pole\$1 or power with transformer\$) and histor\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:32	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
19	BRS	13	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) same histor\$4 and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and (network\$1 or internet or intranet) and (power with line\$1 or power with pole\$1 or power with transformer\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:35	
20	BRS	9	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3) and (duration\$1 or period\$1 or interval\$1 or time\$3) with repair\$3 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:40	

Type	Hits	Search Text	DBs	Time Stamp	Comments
21	BRS 6	(estimate\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and (power or electric\$4) same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3) and (duration\$1 or period\$1 or interval\$1 or time\$3) with repair\$3 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3) not S174	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:50	
22	BRS 1	electric\$4 with utility\$3 and storm\$3 with outage\$1 and damage with (area\$1 or location\$1 or position\$1) with power with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 14:57	
23	BRS 4	electric\$4 with utility\$3 and storm\$3 with outage\$1 and power with circuit\$1 and damage with (area\$1 or location\$1 or position\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:03	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
24	BRS	1	electric\$4 with utilit\$3 and storm\$3 with outage\$1 and power with circuit\$1 and damage with (area\$1 or location\$1 or position\$1) and predicted with tim\$3 and predicted with tim\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:04	
25	BRS	3	electric\$4 with utilit\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predicted with tim\$3 and predicted with tim\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:05	
26	BRS	6	electric\$4 with utilit\$3 with outage\$1 and power with circuit\$1 and predicted with tim\$3 and predicted with tim\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:07	
27	BRS	0	electric\$4 with utilit\$3 with outage\$1 and power with circuit\$1 and access\$3 with damage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:07	
28	BRS	1	electric\$4 with utilit\$3 with outage\$1 and power with circuit\$1 and (process\$3 or access\$3) with damage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:08	
29	BRS	44	electric\$4 with utilit\$3 and power with circuit\$1 and outage\$1 with damage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/07/25 15:09	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
30	BRS	2	electric\$4 with utilit\$3 and power with circuit\$1 and predicted with maintenance\$1 and outage\$1 with damage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/07/25 15:33	
31	BRS	2	"20050096856"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/07/25 15:56	
32	IS&R	2	("6696766") .PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/07/25 15:56	
33	BRS	9	electric\$4 with utilit\$3 with storm with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:10	
34	BRS	13	electric\$4 with utilit\$3 same storm with outage\$1 and power with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:11	
35	BRS	2	electric\$4 with utilit\$3 same storm with outage\$1 and power with circuit\$1 and predict\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:13	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
36	BRS	9	electric\$4 with utilit\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predict\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:15	
37	BRS	2	electric\$4 with utilit\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predict\$3 with weather	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:16	
38	BRS	2	electric\$4 with utilit\$3 and storm\$3 with outage\$1 and power with circuit\$1 and predict\$3 with weather\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:16	
39	BRS	1	702/2-4,58.ccls. and utilit\$3 with storm\$1 with outage\$1 with management\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:22	
40	BRS	1	"702"/\$.ccls. and utilit\$3 with storm\$1 with outage\$1 with management\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:22	
41	BRS	1	702/2-4,58.ccls. and utilit\$3 with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:23	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
42	BRS	0	706/21, 928, 930, 931.cc1s. and utilit\$3 with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:23	
43	BRS	0	340/7.48, 500, 539.28, 286.02 .cc1s. and utilit\$3 with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:24	
44	BRS	0	340/7.48, 500, 539.28, 286.02 .cc1s. and electric\$4 with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:28	
45	BRS	32	electric\$4 with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:28	
46	BRS	38	(utilit\$3 or electric\$4) with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:29	
47	BRS	1	700/295.cc1s. and (utilit\$3 or electric\$4) with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:29	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
48	BRS	5	"700"/\$.cc1s. and (utilit\$3 or electric\$4) with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:31	
49	BRS	5	"700"/2886-298.cc1s. and (utilit\$3 or electric\$4) with storm\$1 with outage\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:32	
50	BRS	0	"700"/2886-298.cc1s. and (utilit\$3 or electric\$4) with storm\$1 with management\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:32	
51	BRS	15	"700"/2886-298.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:34	
52	BRS	2	"702"/58.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:34	
53	BRS	49	"702"/\$.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:38	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
54	BRS	27	"702"/2-4,58.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:43	
55	BRS	25	"340"/600,601.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:36	
56	BRS	30	"324/72.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 12:42	
57	BRS	1	"324/72.cc1s. and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB	2005/09/13 12:42	
58	BRS	13	(702/2-4,58.cc1s. or 340/600,601.cc1s. or 324/72.cc1s. or 700/286,292.cc1s.) and (utilit\$3 or electric\$4) with storm\$1	US-PGPUB	2005/09/13 12:45	
59	BRS	3	storm\$3 with outage\$1 and power with circuit\$1 and predict\$3 with weather	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:20	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
60	BRS	9	power with circuit\$1 and predict\$3 with weather with storm\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:21	
61	BRS	17	storm\$1 same (maintenance\$1 or management\$1) and electric\$4 with (power\$1 or utilit\$3) and predict\$3 interconnect\$4 with model\$1 with electric\$4 with power\$1 with electric\$4 with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:25	
62	BRS	8	interconnect\$4 with model\$1 with electric\$4 with (power or electric\$4) with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:25	
63	BRS	86	interconnect\$4 with model\$1 with electric\$4 with power\$1 with electric\$4 with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:25	
64	BRS	8	interconnect\$4 with model\$1 with electric\$4 with power\$1 with electric\$4 with circuit\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	2005/09/13 13:26	
65	BRS	0	network\$1 with communicat\$3 same electric\$4 with power\$1 with circuit\$1 and predict43 with weather\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:26	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
66	BRS	144	weather\$1 with storm\$1 and indicate\$3 with (electric\$4 or power)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:26	
67	BRS	15	weather\$1 with storm\$1 and indicate\$3 with (electric\$4 or power) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:26	
68	BRS	0	weather\$1 with storm\$1 and indicate\$3 with (electric\$4 with (outage\$1 or fail\$4 or malfunction\$2) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:27	
69	BRS	37	storm\$1 and electric\$4 with (outage\$1 or fail\$4 or malfunction\$2) same (network\$1 or internet or intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:27	
70	BRS	1	(estimate\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and crew\$1 with person-day	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:31	

	Type	Hits	Search Text	DBs	Time Stamp	Comments
71	BRS	30	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and (network\$1 or internet or intranet) and (power with line\$1 or power with pole\$1 or power with transformer\$) and histor\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:32	
72	BRS	17	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) same histor\$4 and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1) and (network\$1 or internet or intranet) and (power with line\$1 or power with pole\$1 or power with transformer\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:35	

Type	Hits	Search Text	DBs	Time Stamp	Comments
73	BRS 11	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damag\$3) and (duration\$1 or period\$1 or interval\$1 or tim\$3) with repair\$3 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:40	
74	BRS 11	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and electric\$4 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damag\$3) and (duration\$1 or period\$1 or interval\$1 or tim\$3) with repair\$3 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:50	

Type	Hits	Search Text	DBs	Time Stamp	Comments
75	BRS 6	(estimat\$3 or predict\$3) with (ice or snow\$3 or storm\$1 or weather\$1) and (power or electric\$4) same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3) and (duration\$1 or period\$1 or interval\$1 or time\$3) with repair\$3 same (outage\$1 or fail\$4 or malfunction\$2 or defect\$1 or damage\$3) not S312	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/09/13 13:50	

	U	1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieval Classif
1			US 2005015989 4 A1	20050721	46	Space weather prediction system and method	702/3		702/3
2	X		US 2005009685 6 A1	20050505	26	Electric utility storm outage management	702/58		702/58
3	X		US 2004018368 6 A1	20040923	11	Lightning detection and prediction alarm device	340/601	702/3	702/3
4	X	X	US 2003022074 0 A1	20031127	45	Space weather prediction system and method	702/3		702/3
5	X		US 2002013329 5 A1	20020919		Displaying lightning strikes	702/4		702/4
6	X	X	US 2002010763 8 A1	20020808	43	Space weather prediction system and method	702/3		702/3

U	1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva l Classif
						342/175; 342/176; 342/182; 342/195;		
7	X	US 6879280 B1	20050412		Vertical weather profile display system and method	342/26R; 342/26B 342/52; 342/53; 342/89; 342/91; 702/2; 702/3	702/2; 702/3	
8	X	US 6828911 B2	20041207	11	Lightning detection and prediction alarm device	340/601	324/457; 340/539.2 8; 340/602; 702/4	702/4
9	X	US 6816786 X B2	20041109	44	Space weather prediction system and method	702/3		702/3
10	X	US 6606564 B2	20030812		Displaying lightning strikes	702/4		702/4
11	X	US 6581008 X B2	20030617	45	Space weather prediction system and method	702/3		702/3

	U 1	Document ID	Issue Date	Page s	Title	Current OR	Current xRef	Retrieval Classif 1
12	X	US 6560538 B2	20030506		Displaying lightning strikes	702/4	340/601; 342/26R; 342/460; 702/3; 73/170.24	702/3; 702/4
13	X	US 6405134 B1	20020611	19	Method and apparatus for predicting lightning threats based on radar and temperature data	702/4		702/4
14	X	US 6405133 B1	20020611		Displaying lightning strikes	702/4		702/4
15	X	US 6356842 B1	20020312	31	Space weather prediction system and method	702/3		702/3
16	X	US 6232882 B1	20010515		Warning system and method for detection of tornadoes	340/601	340/600; 702/3; 73/384	702/3
17	X	US 5977762 A	19991102		Lightning detection apparatus and methodology	324/72	324/457; 340/601; 702/4	702/4
18	X	US 5325299 A	19940628		System for classifying lightning strikes to enhance location estimation thereof	702/4	342/460	702/4

	U 1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva 1 Classif
19	X	US 5319553 A	19940607		Lightning strike detection and mapping system with auto control of mapping display	702/4		702 / 4
20	X	US 5305210 A	19940419		Sampled data lightning strike detection and mapping system capable of early detection of an invalid strike from sampled data and quick resumption of monitoring an incoming signal	702/4	342/460	702 / 4
21	X	US 5303152 A	19940412		Lightning strike detection system capable of quickly determining an invalid correlation of strike signaling	702/4	342/460	702 / 4

	U 1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva l Classif
22	X	US 5299127 A	19940329		Lightning strike detection and mapping system capable of monitoring its power source and of displaying a representation thereof on the mapping display	702/4	342/460	702/4
23	X	US 5295072 A	19940315		Sampled data lightning strike detection and mapping system capable of recovering a pre threshold sample history for detection and mapping processing	702/4	342/460	702/4

U 1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva 1 Classif
24 X	US A 5295071	19940315		Sampled data lightning strike detection and mapping system capable of generating frequency spectrum of input signal waveforms and displaying such on the mapping display	702/4	342/460	702/4
25 X	US A 4991105	19910205	15	Microprocessor controlled ground system monitor	702/58	324/510; 340/650; 379/22.03	702/58
26 X	US A 4672305	19870609		Storm warning method and apparatus	324/72	700/293	
27 X	US A 4095221	19780613		Electrical storm forecast system	340/601	324/72; 340/309.3 7; 702/3; 73/170.24	702/3

	U 1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieva 1 Classif
1		US 2005010206 8 A1	20050512	10	Energy management system	700/291		700/291
2		US 2003008378 6 A1	20030501	10	System and method for surveying utility outages	700/286		700/286
3		US 2002012874 8 A1	20020912	12	Configurable switchgear system	700/286		700/286
4		US 6687574 B2	20040203	11	System and method for surveying utility outages	700/293	700/292; 700/79; 702/59	700/292; 700/293
5		US 66333799 B2	20031014	13	Configurable switchgear system	700/286	307/18; 307/23; 307/64; 307/80; 307/85	700/286
6		US 6584197 B1	20030624	17	Power-limited remote termination converter with wetting current and emergency power operation for digital data transmission equipment	379/413.0 2	363/146; 379/1.01; 379/324; 379/413; 379/9.05; 700/286	700/286

	U 1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieval Classif 1
7		US 6292717 B1	20010918	76	Energy information device and graphical display for a circuit breaker	700/293	340/825.3 6; 700/292; 700/83; 702/64	700/292; 700/293
8		US 6289267 B1	20010911	72	Graphical energy information display system having a menu for user selection of energy related information for an AC load control device	700/286	700/291; 700/297	700/286; 700/291; 700/297
9	X	US 6259972 B1	20010710	21	Method for processing and disseminating utility outage information	700/286	700/292	700/286;
10		US 5696695 A	19971209	64	System for rate-related control of electrical loads	700/286	307/115; 307/126; 307/38	700/286
11		US 5684710 A	19971104	65	System for measuring electrical power interruptions	700/293	307/115; 307/126; 307/38; 700/10	700/293

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12 X	US 5572438 A	19961105	65	Energy management and building automation system	700/295	307/37	700/295
13 X	US 5568399 A	19961022	19	Method and apparatus for power outage determination using distribution system information	700/293		700/293
14 X	US 5184311 A	19930202	12	Method of operating an installation that comprises one or more long electrical conductors	700/286	324/345	700/286
15 X	US 4991105 A	19910205	15	Microprocessor controlled ground system monitor	702/58	324/510; 340/650; 379/22.03	700/293 ; 700/293

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1		US 2005004135	20050224	14	Monitoring and response system	361/117	340/601	340/601
2	X	US 2004018368	20040923	11	Lightning detection and prediction alarm device	340/601	702/3	340/601
3	X	US 2003019761	20031023		Weather warning system and method	340/601		340/601
4	X	US 2002006727	20020606	12	WIND TURBINE HALSTORM PROTECTION SYSTEM HAVING A HALSTORM SENSOR TO SIGNAL FOR CHANGING TURBINE BLADE POSITIONS	340/601		340/601
5	X	US 2001002831	20011011		Thundercall, the call before the storm	340/601	340/531; 340/602	340/601
6	X	US 6828911	20041207	11	Lightning detection and prediction alarm device	340/601	324/457; 340/539.2; 340/602; 340/604	340/601

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7	X	US B2 6560538	20030506		Displaying lightning strikes	702/4	340/601; 342/26R; 342/460; 702/3; 73/170.24	340/601
8	X	US B1 6278375	20010821		Severe storm warning device	340/601	340/2.1	340/601
9	X	US B1 6232882	20010515		Warning system and method for detection of tornadoes	340/601	340/600; 702/3; 73/384	340/600; 340/601
10	X	US B1 6169487	20010102		Severe storm warning system	340/601	73/170.16 ; 73/170.22 ; 73/700; 73/718; 73/724	340/601
11	X	US A 6097296	20000801		Apparatus and method for detecting tornadoes	340/601	340/690; 73/170.16	340/601
12	X	US A 5977762	19991102		Lightning detection apparatus and methodology	324/72	324/457; 340/601; 702/4	340/601

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13	X	US 5448161 A	19950905		Transformer-coupled photodiode circuit for lightning and other light pulse detection	324/72	324/96; 340/601; 356/226; 73/170.24	340/601
14	X	US 5168212 A	19921201		Autonomous electro-optical lightning identification and ranging apparatus for, and method of, alerting humans and protecting equipment	324/72	340/601	340/601

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						340/601; 340/870.0 7; 702/56; 73/170.08 ;		
15	X	US 5029101 A	19910702		High voltage conductor mounted line powered monitoring system	702/62 ;	73/170.16 340/601	
16	X	US 4996473 A	19910226		Microburst/wind shear warning system	324/72 342/460	340/601; 340/601	
17	X	US 4912459 A	19900327		Detection of lightning, storms and the like	340/601 73/170.24	324/72; 340/601	
18	X	US 4823115 A	19890418		Detection of lightning, storms and the like	340/601 73/170.24	324/72; 340/601	
19	X	US 4276576 A	19810630		Lightning activated relay	361/1 361/120	340/601; 340/601	

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20	X	US 4095221 A	19780613		Electrical storm forecast system	340/601	324/72; 340/309.3 ;	340/870.3 340/601
21	X	US 3955192 A	19760504		Storm severity monitoring system	340/601	340/600; 343/788	340/600; 340/601
22	X	US 3891919 A	19750624		Storm-lightning detector	324/72	340/600; 340/601	340/600; 340/601
23	X	US 3810137 A	19740507		TORNADO WARNING DEVICE	340/600	340/601; 455/130	340/600; 340/601
24	X	US 3753117 A	19730814	10	SEVERE WEATHER WARNING DEVICE	73/170.24	324/72; 340/515; 340/601; 340/693.1	340/601
25	X	US 3646540 A	19720229		TORNADO ALARM	340/522	340/601; 340/626; 73/170.16	340/601

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1			US 2005012789 0 A1	20050616 23		Electric-field meter having current compensation	324/72		324/72
2	X		US 6674625 B1	20040106		Lightning protection systems	361/117	324/72; 361/111; 361/118; 361/59	324/72
3	X		US 6215294 B1	20010410	34	Storm warning method and apparatus	324/72	324/76.19	324/72
4	X		US 5977762 A	19991102		Lightning detection apparatus and methodology	324/72	324/457; 340/601; 702/4	324/72
5	X		US 5959815 A	19990928		Method and apparatus for detecting potentially damaging electrical fields	361/1	324/72; 361/119	324/72
6	X		US 5448161 A	19950905		Transformer-coupled photodiode circuit for lightning and other light pulse detection	324/72	324/96; 340/601; 356/226; 73/170.24	324/72
7	X		US 5408175 A	19950418		Storm monitor	324/72	324/202	324/72
8	X		US 5399962 A	19950321		Apparatus for detecting damped wave disturbances	324/72	324/377; 338/48; 73/158	324/72

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9	X		US A 5315232	19940524		Electric field measuring system	324/72	324/457	324/72
10	X		US A 5245274	19930914		Storm monitor	324/72	324/202	324/72
11	X		US A 5168212	19921201		Autonomous electro-optical lightning identification apparatus for, and method of, alerting humans and protecting equipment	324/72	340/601	324/72
12	X		US A 5036334	19910730		Lightning direction finder controller (LDFC)	342/460	324/72	324/72
13	X		US A 4996473	19910226		Microburst/windshear warning system	324/72	340/601; 342/460	324/72
14	X		US A 4912459	19900327		Detection of lightning, storms and the like	340/601	324/72; 73/170.24	324/72
15	X		US A 4841304	19890620		Installation for the detection and location by interferometry, in real time and at great distance of lightening strikes	342/460	324/72; 342/156	324/72

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16	X		US A 4823115	19890418		Detection of lightning, storms and the like	340/601	324/72; 73/170.24	324/72
17	X		US A 4672305	19870609		Storm warning method and apparatus	324/72	324/76.12 ; 702/4	324/72
18	X		US A 4506211	19850319		Storm warning method and apparatus	324/72	324/76.12 ; 324/76.15	324/72
19	X		US A 4424481	19840103		Apparatus for measuring an electrical field	324/72	324/457; 324/458	324/72
20	X		US A 4422037	19831220		Storm warning method and apparatus	324/72	324/76.15 ; 324/76.17 ; 324/76.24	324/72
21	X		US A 4395906	19830802		Storm mapping system	73/170.24	324/72	324/72

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22	X US A 4095221	19780613		Electrical storm forecast system	340/601	324/72; 340/309.3; 340/870.3 7; 702/3; 73/170.24	324/72
23	X US A 4055798	19771025		Rotary electric field intensity measuring device	324/458	324/72	324/72
24	X US A 4023408	19770517		Stormscope	73/170.24	324/72	324/72
25	X US A 4007418	19770208		Personal electrostatic safety monitor with induction plate sensing means	324/72	324/133; 340/562; 340/565	324/72
26	X US A 3891919	19750624		Storm-lightning detector	324/72	340/600; 340/601	324/72
27	X US A 3878459	19750415		Electrostatic field detection method for determining whether apparatus is properly grounded	324/555	324/133; 324/509; 324/72; 327/509; 327/581; 340/660; 361/42	324/72

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28	X	US A 3772594	19731113		LIGHTNING FLASH-TO-BANG DETECTOR	324/72	367/128; 73/170.24	324/72
29	X	US A 3760268	19730918		ROCKET BORNE INSTRUMENT TO MEASURE ELECTRIC FIELDS INSIDE ELECTRIFIED CLOUDS	324/72	340/870.2 8	324/72
30	X	US A 3753117	19730814	10	SEVERE WEATHER WARNING DEVICE	73/170.24	324/72; 340/515; 340/601; 340/693.1	324/72

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1			US 2005015989 4 A1	20050721	46	Space weather prediction system and method	702/3		702/3
2	X		US 2005012789 0 A1	20050616	23	Electric-field meter having current compensation	324/72		324/72
3	X		US 2005009685 6 A1	20050505	26	Electric utility storm outage management	702/58		702/58
4	X		US 2005004135 5 A1	20050224	14	Monitoring and response system	361/117	340/601	340/601
5	X		US 2004018368 6 A1	20040923	11	Lightning detection and prediction alarm device	340/601	702/3	340/601; 702/3
6	X	X	US 2003022074 0 A1	20031127	45	Space weather prediction system and method	702/3		702/3
7	X		US 2003019761 6 A1	20031023		Weather warning system and method	340/601		340/601
8	X		US 2003008378 6 A1	20030501	10	System and method for surveying utility outages	700/286		700/286
9	X		US 2002013329 5 A1	20020919		Displaying lightning strikes	702/4		702/4

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10	X		US 2002012874 8 A1	20020912	12	Configurable switchgear system	700/286		700/286
11	X	X	US 2002010763 8 A1	20020808	43	Space weather prediction system and method	702/3		702/3
12	X		US 2002006727 4 A1	20020606	12	WIND TURBINE HALSTORM PROTECTION SYSTEM HAVING A HALSTORM SENSOR TO SIGNAL FOR CHANGING TURBINE BLADE POSITIONS	340/601		340 /601
13	X		US 2001002831 0 A1	20011011		Thundercall, the call before the storm	340 /601	340 /531; 340 /602	340 /601